

205.5.01

The Contract Price per cubic yard (meter) for “roadway excavation—unclassified” will be paid for quantities of excavation measured according to Subsection 205.4. Payment is full compensation for

- Excavating, hauling, placing, and compacting excavated material.
- Removing, loading, hauling, stockpiling as designated, and sawing pavement when payment is included under Item 205.
- Pre-splitting rock, disposing of unsuitable or surplus materials, excavating, shaping, disposing of unsatisfactory excavated materials, maintaining ditches (except channel excavation specified in Section 204), constructing subgrades and shoulders, and finishing, dressing, and maintaining the work until Final Acceptance.

Payment will be made under:

Item No. 205	Unclassified excavation	Per cubic yard (meter)
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205.5.01 Adjustments

General Provisions 101 through 150.

Section 206—Borrow Excavation

206.1 General Description

This work includes:

- Excavating material from borrow areas or pits outside the Project Right-of-Way
- Hauling and using the material as required on the Plans or directed by the Engineer
- Stripping, excavating, and disposing of unsuitable material from borrow areas. See Subsection 107.22 and Subsection 107.23

206.1.01 Definitions

General Provisions 101 through 150.

206.1.02 Related References

A. Standard Specifications

Section 106—Control of Materials

Section 107—Legal Regulations and Responsibility to the Public

Section 160—Reclamation of Material Pits and Waste Areas

Section 201—Clearing and Grubbing Right-of-Way

Section 202—Random Clearing and Grubbing

Section 208—Embankments

Section 209—Subgrade Construction

B. Referenced Documents

Section 106 of the National Historical Preservation Act

206.1.03 Submittals

The Engineer’s approval of borrow pits will be subject to the requirements of Section 106 of the National Historical Preservation Act being fulfilled.

Give the Engineer sufficient notice to perform necessary investigations, measurements, staking, and actions required in Subsection 206.3.05.A.

Working in the pit before receiving the following approvals may result in rejection of the borrow pit without payment:

- Approval for environmental considerations and material acceptability
- Approval from pit investigation, cross sectioning, and staking

206.2 Materials

Perform work using embankment materials that meet the requirements in Section 208. Do not use material that contains roots or stumps. The Engineer will approve borrow excavation materials.

Use selected borrow of Class IIB3 or better when specified for subgrade construction or other uses (unless otherwise stated in the Plans or the Proposal).

206.2.01 Delivery, Storage, and Handling

Before obtaining material from borrow areas, use material to construct the embankment that is excavated from within the slope stakes, or stockpile the material for topping out the roadbed (unless otherwise directed by the Engineer).

206.3 Construction Requirements

206.3.01 Personnel

General Provisions 101 through 150.

206.3.02 Equipment

Ensure that equipment and methods used in borrow pits produce the following results:

- Various strata, pockets, or accumulations of different types of material are excavated and used in the correct proportions and sequence.
- Material is used to produce borrow or selected borrow with the best possible gradation and stability within the specified range.
- Material is excavated uniformly to facilitate measurement.

206.3.03 Preparation

General Provisions 101 through 150.

206.3.04 Fabrication

General Provisions 101 through 150.

206.3.05 Construction

A. General

The Department will investigate and take necessary actions to satisfy requirements of Section 106 of the National Historical Preservation Act.

B. Clearing and Grubbing

Clear and grub borrow pits as necessary before removing borrow material as specified in Section 106 and Section 202.

C. Draining Pits

Prevent water from standing in the pits unless the Engineer determines not to drain the pit.

Leave slopes presentable. Machine slope the bottom of the excavated area to smooth the surfaces suitable for revegetation.

The Department will not measure for payment ditch excavation for draining borrow pits. The bid price for borrow excavation shall include this work.

D. Disposing of Waste Material

Dispose of material unsuitable for embankments such as stone, broken rock, boulders, and other material found in the borrow pits.

1. Dispose of the material in a manner satisfactory to the Engineer and at no expense to the Department.
2. Do not leave piles of unsightly material in pits with or without the consent of the property owner.
3. Dispose of waste materials according to Subsection 201.3.05.E.

E. Reclamation

Leave borrow pits or waste disposal areas presentable. Reclaim them according to Section 160 unless exempted by Subsection 160.1.

Develop boundary slopes of reclaimed areas and grade them to 3:1 slopes or flatter.

206.3.06 Quality Acceptance

General Provisions 101 through 150.

206.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

206.4 Measurement

The quantity of borrow and selected borrow is measured in its original position by the method of average end areas or other acceptable means.

When designated in the Plans, selected borrow may be measured by volume of the hauling vehicle according to Section 109.

The following will have no payment:

- Material excavated before the original surface of the pit is obtained by the Engineer
- Materials excavated for maintaining the work
- Materials excavated that run out of the embankment on a flatter slope than indicated on the cross-section shown on the Plans or established by the Engineer
- Unsuitable material excavated from the borrow area and not used on the roadway

The Department will measure original and final ground surfaces by conventional field or photogrammetric or other methods, as determined by the Engineer.

206.4.01 Limits

General Provisions 101 through 150.

206.5 Payment

The provisions of Section 106 apply to borrow pits. The Department will not pay for the following:

- Delays caused by fulfilling the requirements of Section 106 or costs involved if the borrow pit is rejected
- Work done to provide or improve access or haul roads to borrow pits (except when specifically stated in the Proposal)

The prices bid for borrow excavation shall include this cost.

The quantities of borrow and selected borrow are measured as described in Subsection 206.4 and will be paid for at the Contract Price per cubic yard (meter). This is full compensation for excavating, hauling, placing, and compacting the material according to the Plans and Specifications and for draining and dressing the borrow area.

Borrow material furnished at no cost (no royalty) to the Contractor is "borrow excavation."

If royalties must be paid for material shown on the Plans as a possible source of borrow, or if the source of borrow must be furnished, the Bid Item is "borrow excavation including material."

The same criteria applies to selected borrow.

Payment will be made under:

Item No. 206	Borrow excavation	Per cubic yard (meter)
Item No. 206	Borrow excavation, including material	Per cubic yard (meter)
Item No. 206	Selected borrow excavation	Per cubic yard (meter)
Item No. 206	Selected borrow excavation, including material	Per cubic yard (meter)

206.5.01 Adjustments

General Provisions 101 through 150.